

REPLACEMENT SHEET

htIR1	1	MLLCARTVIGIOLISCAWAFACHSTES	SHDFITPGDVHIAIGFPI	HSGCLOVRHR	BEVITIDRSCSNHGY	HIIOAVRLQVEE	NNSTALIPNTEFGVQ	IVDCSD	SNVYATIRVI	119
rtIR1	1	MLFWAHIHJLSIQ	--VYMAFESCORTES	HCDCLOVRHR	HIIVTSQDRPDSNGHGY	HIIOAMRFTVEE	NNSSALIPNTEFGVQ	IVDCSE	SNVYATIRVI	118
htIR2	1	MCPRATICSUFF	LIHVLAAH--AE	NSDAHLPEDVILGGRSI	HANKGIVAHNFQVCK	EVEVKVIGIN	IOAMRFAVEE	NNSSLPQVILGYELIDVQYI	SNVQVRIHFI	115
rtIR2	1	MCPCRTLCIUSI	LIHVLPAAGHIVE	NSDHLIAGDVILGGHFI	HANKVSIHLSYLQVHON	EFTMKVILGIN	IOAMRFAVEE	NNSSLPQVILGYELIDVQYI	SNVQVRIHFI	118
htIR3	1	MLGPVILGISIAWILHJPGCHLOIS	QOLRWKEDVILGGPIGCE	EEHAGUSRTDRSPHVT	RFSSGLLWALAMKMAVEE	NNKSDJHLPGLHGY	IIIDTCEH	PPVAMRPSINELI	117	
rtIR3	1	MPGLAILGISIAAEELGMSSLOIS	QOQKACQDVLGGPIPGCT	TEHATINQTOPNGILOT	RHSEGLHJAMAMKMAVEE	NNKSAHLPGLHGY	IIIDTCEH	PPVAMRPSINELI	117	
mGLuR1	1	MVRLLIFFPMIEJWSIIPRMPDKVILLAGASSORGVARMDVITGALISVHJOPHREKYPE	-----RKGQ	-----EIREQ	GIQORVAMHHTLDKINADPV	ILLENTEHICSETRDSQ	WHSSVALLQESIEFI	123		
htIR1	120	SLHF	OHTEIQCILLHJSE	TJLVEIGPDSTINRAATTAALISSTFT	IMVTSVAASSEILS	WKROVPSFIR	ITANDKVOFTVM	ILTOFEGV	NWVLSLVGSSDDVIGQIQVAINOITGO	236
rtIR1	119	ALQG	PRUFIHQDLRHSS	KVVAEIGPDNDIVARTTAALIGEF	IMELVSEASSVLS	AKRMPSEFIR	VPSPRHOVPM	VMVOILQSGN	NWVLSLVGSSDYQVIGQIQVAINOITGO	235
htIR2	116	AHE	IMILHICHDSNVIS	ERWAVIGPDNSISWTVANFIS	STFIIPQITVSA	ISHIRQVAFI	LIRITPSDHH	UEAMVOILHFNWNI	IVVSSSTVIGDNCQITIGERVAF	231
rtIR2	119	QOD	QDILHJIKDQSQMB	HVAVIGPDNSHSTVSNLSHFI	POITVSA	ISMURKBFPM	LRVPSSTHH	UEAMVOILHFNWNI	IVVSSSTVIGDNCQITIGERVAF	235
htIR3	118	AKG	SRLIAAYCNVQYCH	RVLAVIGHSSIEIAMVIGVFFSE	LMPOVSIG	SMELISARETFES	HRVPSDURVQ	LTIAAHLQEG	GNWVVAHIGSDDDHIGRQGLSIFSAIIRAF	234
rtIR3	118	AKG	SOSIAAYCNVQYCH	RVLAVIGHSSIEIALIGVFFSE	LMPOVSIG	SMHLSURETES	HRVPSDURVQ	LTIAAHLQEG	GNWVVAHIGSDDDHIGRQGLSIFSAIIRAF	234
mGLuR1	124	RUSLISIRDEKQUNRCLPDGOTLH	IGRTKPKIADVIGHSSSVATQVON	LIQIJDITQIARASATIS	ILSDKTLVKYIE	IRVWPSITIQ	ARAMLDIVKRYN	WTVLSAVHTEGNY	CEFSQMDAFKEILAAOE	252
htIR1	237	ICIAHGMILFSPNOV	DEI--MCLMBHIAQ	AGHTVVVVFSSQOLAR	IFAESMILNUTKQWVA	SEMAHLSRHITG	VEGJOR	QWVIGVAKOKR	VPBLKAFBAYAR	354
rtIR1	236	IQVAFKIVFSPRVG	DEI--MSMMOHIAQ	ARTJAVVVFSSNRHLAR	IFERSMILNUTKQWVA	SEMDWASTVITS	VGJOG	GLVIGVAKOKR	VPBLKAFBAYAR	353
htIR2	232	ICIAHQBETITLONONMTSEKORLTVIVUKIQ	STARAVVVFESPDITTHF	ENHVRHONFTTGAVWTA	SESMAHJIPV	LHNTEHIGHG	IRHETITQ	OSVPJPGSEH	FRMGPO	355
rtIR2	236	ICIAHQBETITLONONMTSEKORLTVIVUKIQ	TSARAVVVFESPELSIA	SFHEHVRHONFTTGAVWTA	SESMAHJIPV	LHNTEHIGHG	IRHETITQ	OSVPJPGSEH	FRMGPO	355
htIR3	235	ICIAHFGVILPRADD	--SRUGKVDWIEOVNC	BSVQVILIFASVHAHIAH	FNYSISSRISSEKQWVA	SEFALTSITIMQ	ICPMQOMGTVIG	CFORGAOLHE	IPQVKTHLA	355
rtIR3	235	ICIAHFGVILPRADD	--SRUGKVDWIEOVNC	BSVQVILIFASVHAHIAH	FNYSISSRISSEKQWVA	SEFALTSITIMQ	ICPMQOMGTVIG	CFORGAOLHE	IPQVKTHLA	355
mGLuR1	253	ICIAHFGVILPRADD	--SRUGKVDWIEOVNC	BSVQVILIFASVHAHIAH	FNYSISSRISSEKQWVA	SEFALTSITIMQ	ICPMQOMGTVIG	CFORGAOLHE	IPQVKTHLA	355
htIR1	355	G-----SWQSSNQCIFQAFMAHTMPKIKAFS	-----MSAANVAVYAVAHGHICJLIGQA	-----SGACSR	GRVYPHOLLIC	THKVHIL	THKUTVAFNDN	IRPLSSQNT	ITANDKVEKMA	466
rtIR1	354	G-----SWQSSNQCIFQAFMAHTMPKIKAFS	-----MSAANVAVYAVAHGHICJLIGQA	-----SGACSR	GRVYPHOLLIC	THKVHIL	THKUTVAFNDN	IRPLSSQNT	ITANDKVEKMA	466
htIR2	356	S-----YTC	NEQDNGINATISFNTIILISG	ERWVSAVSAVAVAHALHSLIGQD	AGIOTK	RAWIPHOLLIC	IKANFT	ILDHOTHE	IPQGDVALHLEIVQWDRSON	465
rtIR2	360	R-----TIC	NOODAGINATIKSFNNIILISG	ERWVSAVSAVAVAHALHSLIGQD	RVROCTK	OKVAPHOLLIC	IKANFT	ILDHOTHE	IPQGDVALHLEIVQWDRSON	469
htIR3	356	EREQLEEDVVCQPOQDCITQNVSAGIN	-----HHQITSVAAVYAVQAQAHNTIQCN	-----ASQCAQOIPV	QPHOLENNMNLTH	VGGLHIFR	ESSANVMEFAL	IKVWCSVP	RLHUV	471
rtIR3	355	AEIDLDEERVMPGQSQDYIMILNLSGLMONLSAGOLHHC	IFATVAVYAVQAQAHNTIQCN	-----VSHCHTSEIP	QPHOLENNMNLTH	VGGLHIFR	ESSANVMEFAL	IKVWCSVP	RLHUV	471
mGLuR1	374	HR-----FQGLRPLGHILLENHKKVCTGNEJTEENVVO	-----NSKMGHINIZAVAHGHICJLIGQA	-----MHIALCP	CHGVGLIQDAMKHIDGR	LIQD	LISSEVGVSE	WVEKGD	PEFQD	497

TO FIG. 1B

FIG. 1A

REPLACEMENT SHEET

FROM FIG. 1A

hTIR1	467	GSTWSPVQIN	NETIKIOWHQKJNOVFKSVCSSTIC	EDCHQR	-VUTGRH	CCCEFCV	HCAGTFFN	-KSLYL	VRCPCKKEV	APESGCT	CTCFER	TV	ELAL	LAHHT	SNVLL	NANT	INLLH	ICTAG	GHAW	LDI	599	
rTIR1	466	GSASLSPVH	INNTKIKIOWHGNNOVPSVUTTIC	ENGEHR	-VWVGS	HCCEFCV	HCAGTFFN	-MSELH	ICOPCKT	ENVAHKE	STCTCFER	TV	ELAL	LAHHT	SNVLL	NANT	INLLH	ICTAG	GHAW	LDI	593	
hTIR2	466	ASYPLOQIKN	-IQIJSWHTVNNNTJHSMCKRCSGCK	-KRVG	THCCGFCV	DDCLG	FTFHTH	DAHYD	YCAQCP	NNNSYOS	STCH	RROL	VEW	HAHT	TAV	ALIA	ICEL	USTIA	TV	FW	593	
rTIR2	470	ASYSPTSKRUTY	-INNVSWHTVNNNTJHSMCKRCSGCK	-KRVG	THCCGFCV	DDCLG	FTFHTH	DAHYD	YCAQCP	NNNSYOS	STCH	RROL	VEW	HAHT	TAV	ALIA	ICEL	USTIA	TV	FW	597	
hTIR3	472	GRFN-GSLRTER	--IKJFWHTSINQPVSRCSRCQCGVH	-RVKGR	HSCQYICVD	CHAGV	RO-NH	DDIAC	TCCQ	ENSP	STCH	RR	SR	PL	ANG	EP	AV	LLH	LS	AL	596	
rTIR3	479	GTFN-GTIOLOH	--SIWYNEG	-NOVPV	SCSRCKKCGVH	-RVKGR	HSCQYICVD	CHAGV	RO-NH	DDIAC	TCCQ	ENSP	STCH	RR	SR	PL	ANG	EP	AV	LLH	596	
mGluR1	498	FTWH--EGV	INDDYKIQWKK--SGMVR	SVCSSEFEL	GG	IV	IRKGEV	SCCM	WTAC	KENE	AVO---	DEF	IC	RA	QD	LG	WNP	NAEL	ICG	ET	620	
hTIR1	595	PWRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	722	
rTIR1	594	PWRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	721	
hTIR2	594	HIVRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	722	
rTIR2	598	HIVRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	726	
hTIR3	597	HIVRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	724	
rTIR3	602	HIVRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	729	
mGluR1	621	PWRSAGG	CEFTFMIGSINACSGSLYGH	GEPT	RPAC	LLKVOAL	ENQET	TH	SC	IT	RS	EQ	LI	TP	FA	VS	IN	TH	HA	VON	748	
hTIR1	723	TSISGHT	IFLNGUIS	ISNA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	841	
rTIR1	722	VS	SG	HT	IF	TH	IL	IS	IS	NA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	840
hTIR2	723	NYR	SG	HT	IF	TH	IL	IS	IS	NA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	839
rTIR2	727	NYR	SG	HT	IF	TH	IL	IS	IS	NA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	843
hTIR3	725	RSW	SG	HT	IF	TH	IL	IS	IS	NA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	852
rTIR3	730	RSW	SG	HT	IF	TH	IL	IS	IS	NA	CSYICK	UDEN	VNEAK	QTES	ILAN	VSW	HTA	SVU	ICK	UDEN	VNEAK	858
mGluR1	749	SS	-IQV	AP	V	G	N	G	N	G	N	G	N	G	N	G	N	G	N	G	N	845

FIG. 1B

REPLACEMENT SHEET

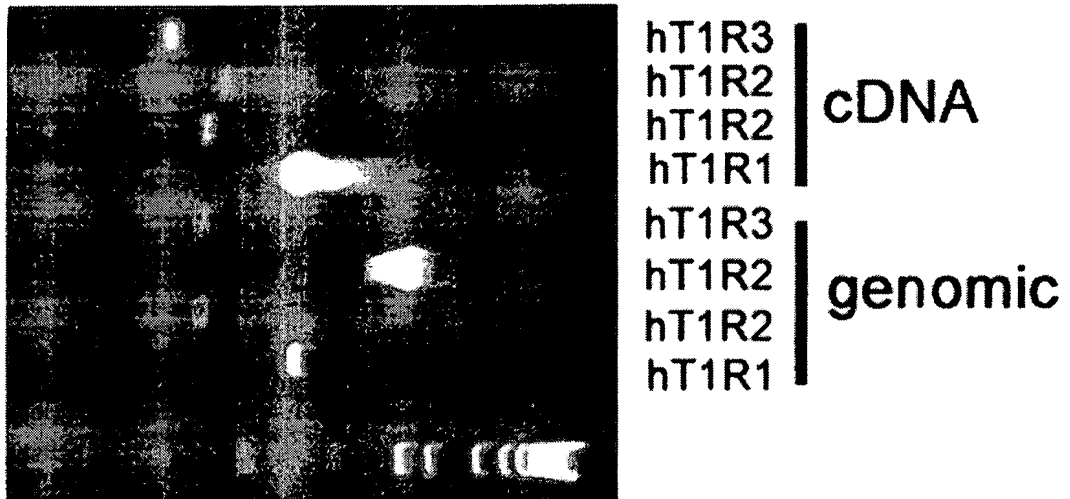


FIG. 2

REPLACEMENT SHEET

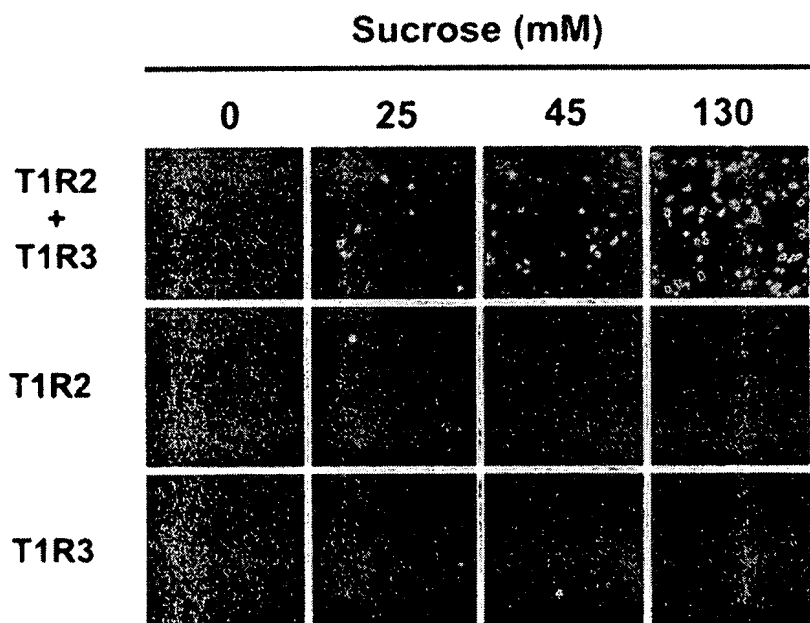


FIG. 3A

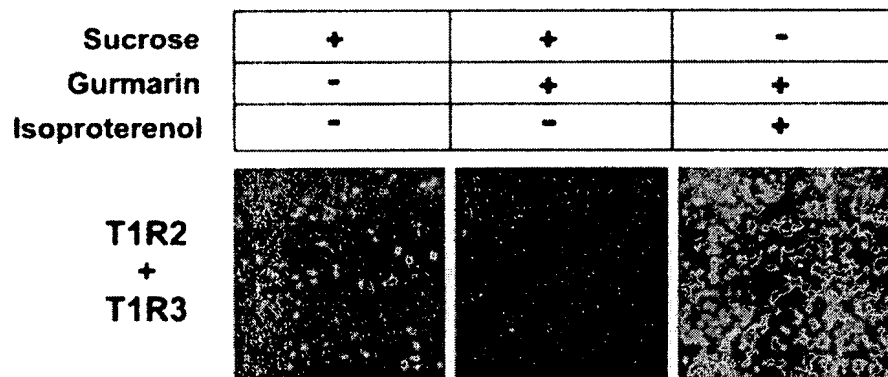


FIG. 3B

REPLACEMENT SHEET

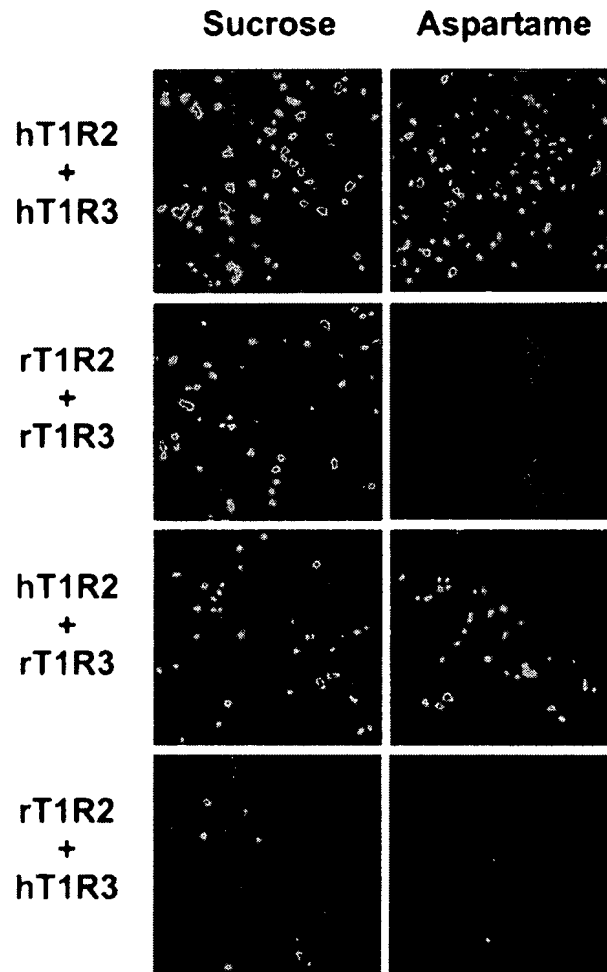


FIG. 4

REPLACEMENT SHEET

NORMALIZED DOSE-RESPONSE CURVE

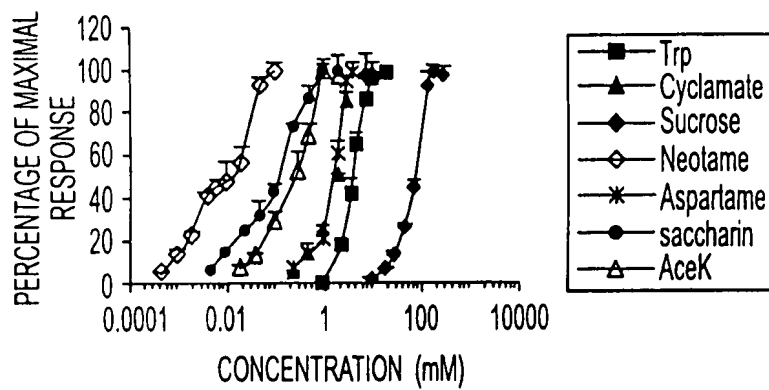


FIG. 6

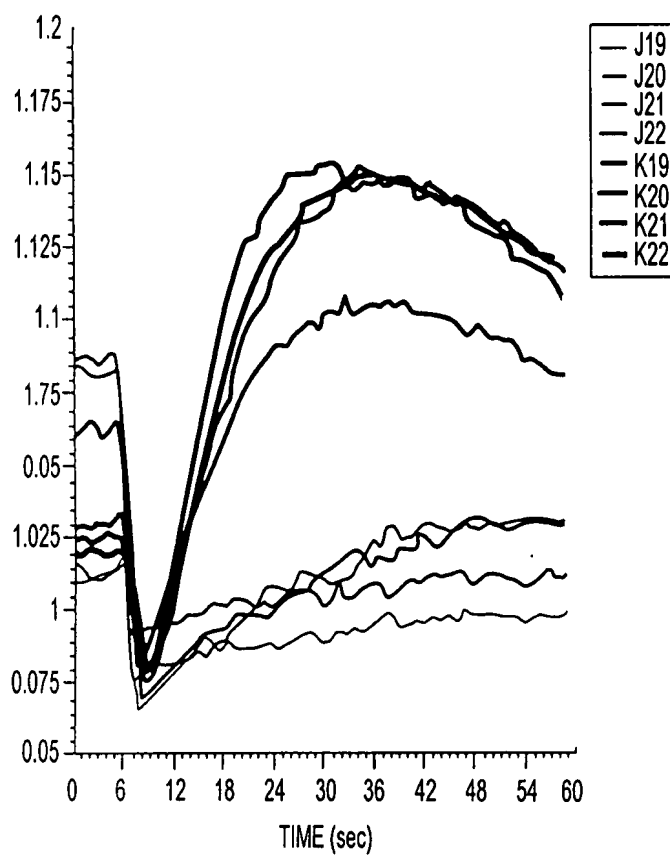


FIG. 5

REPLACEMENT SHEET

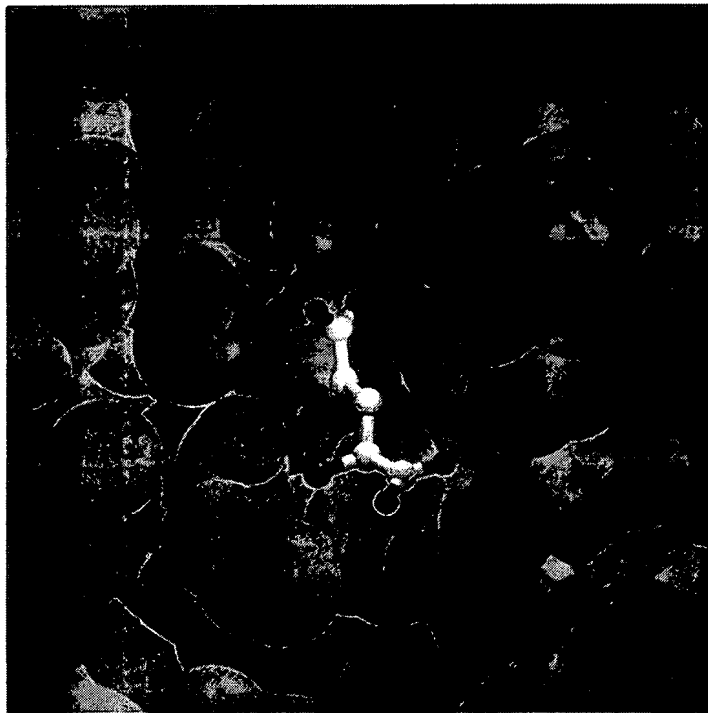
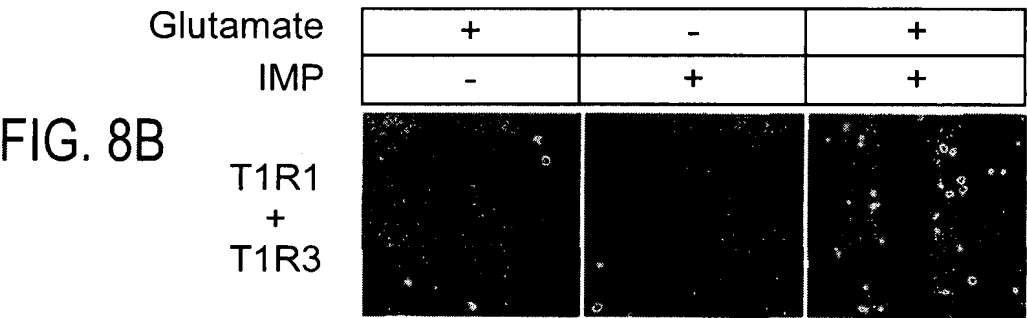
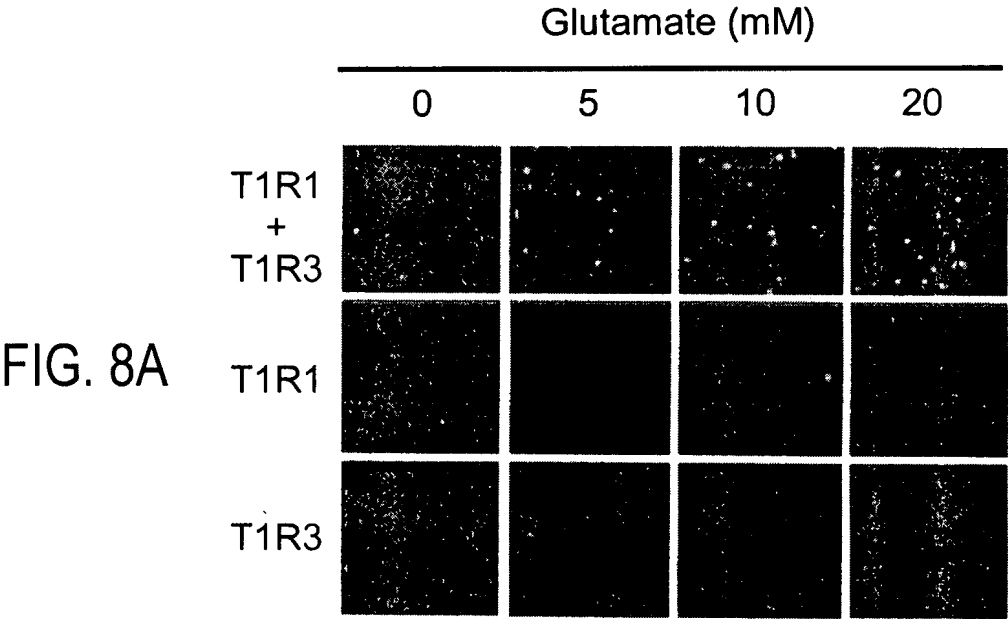


FIG. 7

REPLACEMENT SHEET



REPLACEMENT SHEET

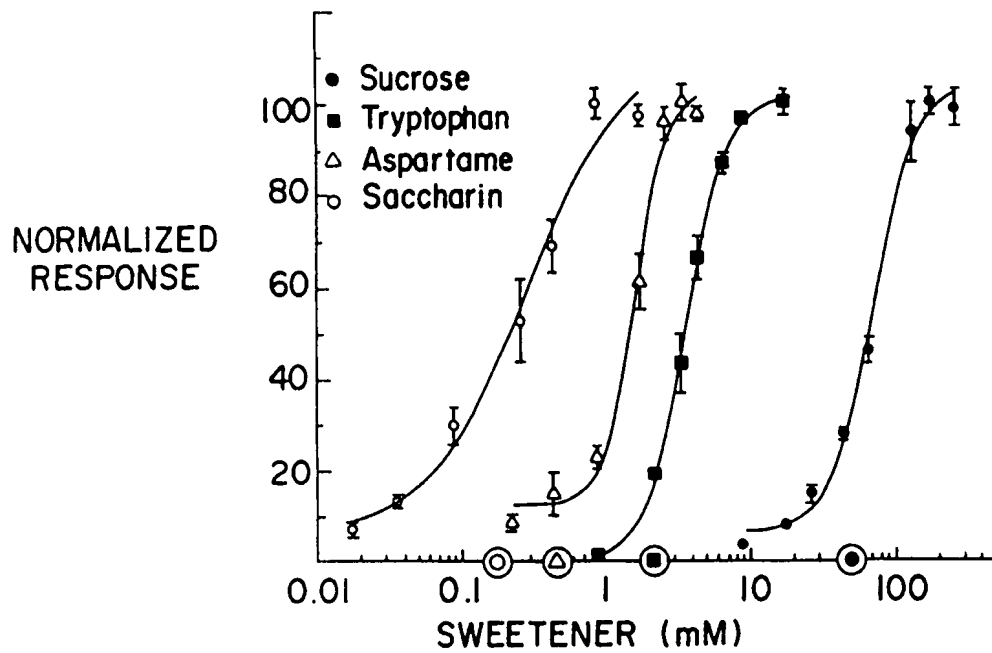


FIG. 3C

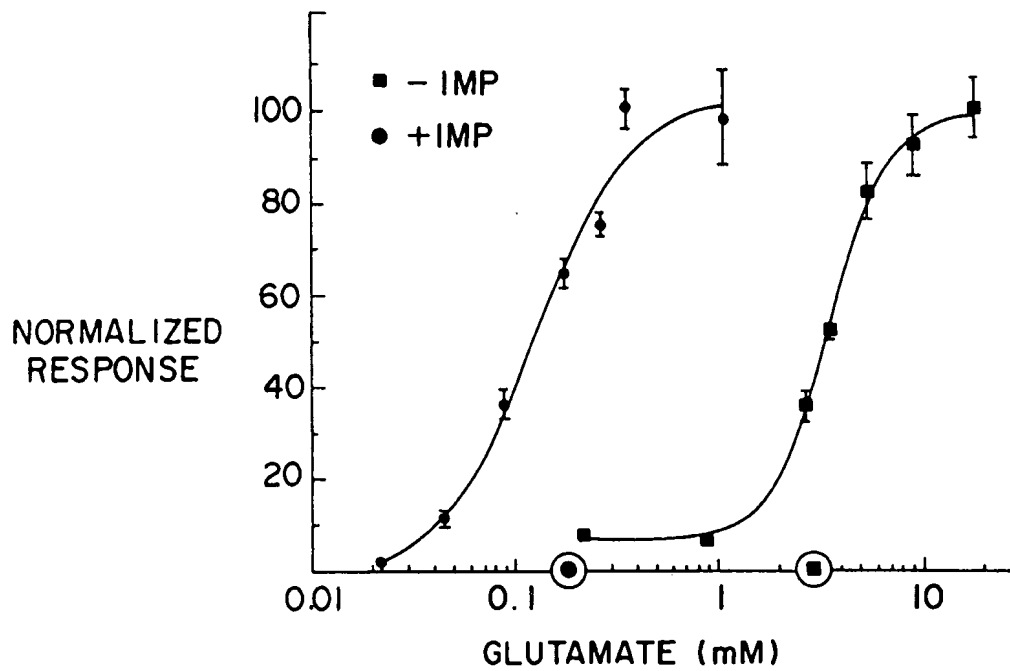
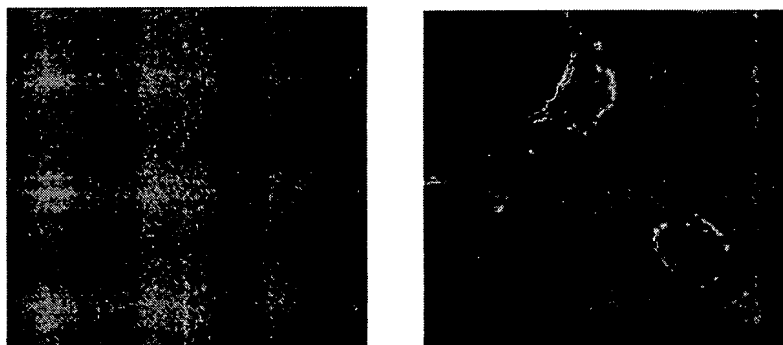


FIG. 8C

REPLACEMENT SHEET



H2-IT-Myc

H2-PDZIP-IT-Myc

FIG. 9A

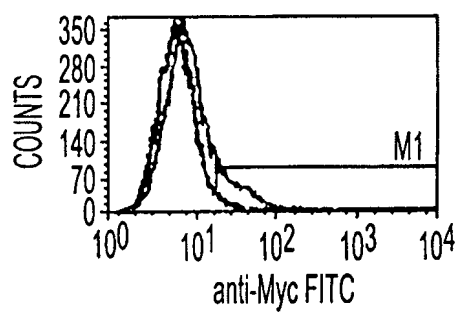


FIG. 9B

REPLACEMENT SHEET

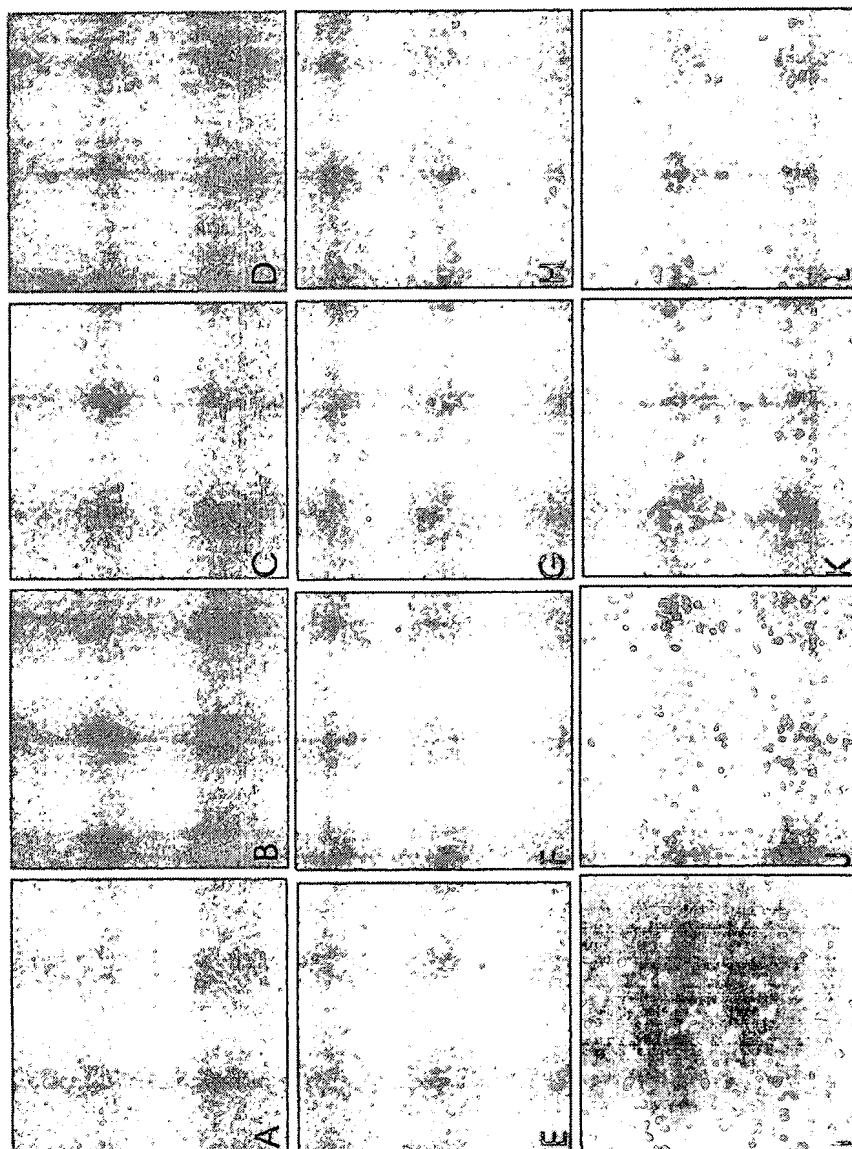


FIG. 10

REPLACEMENT SHEET

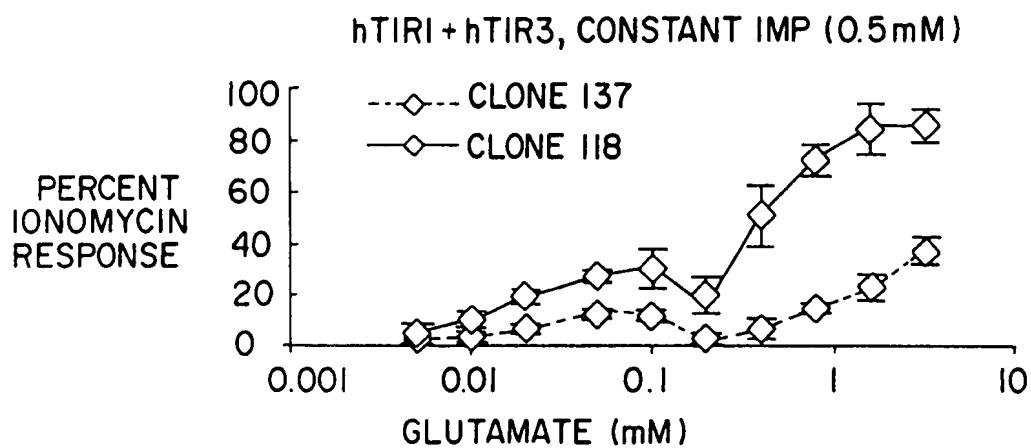


FIG. 11

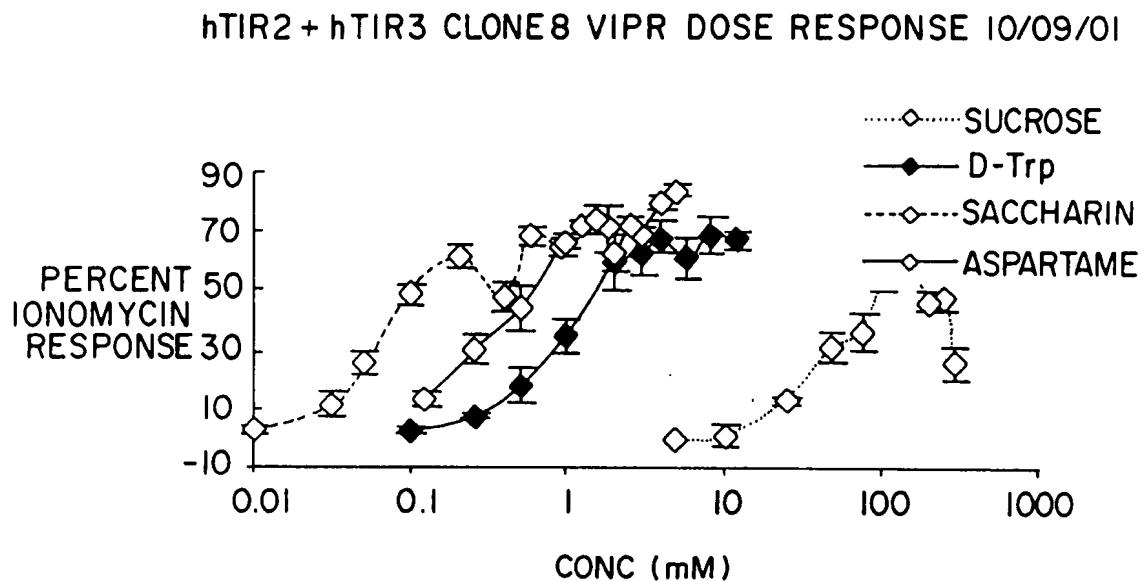


FIG. 12

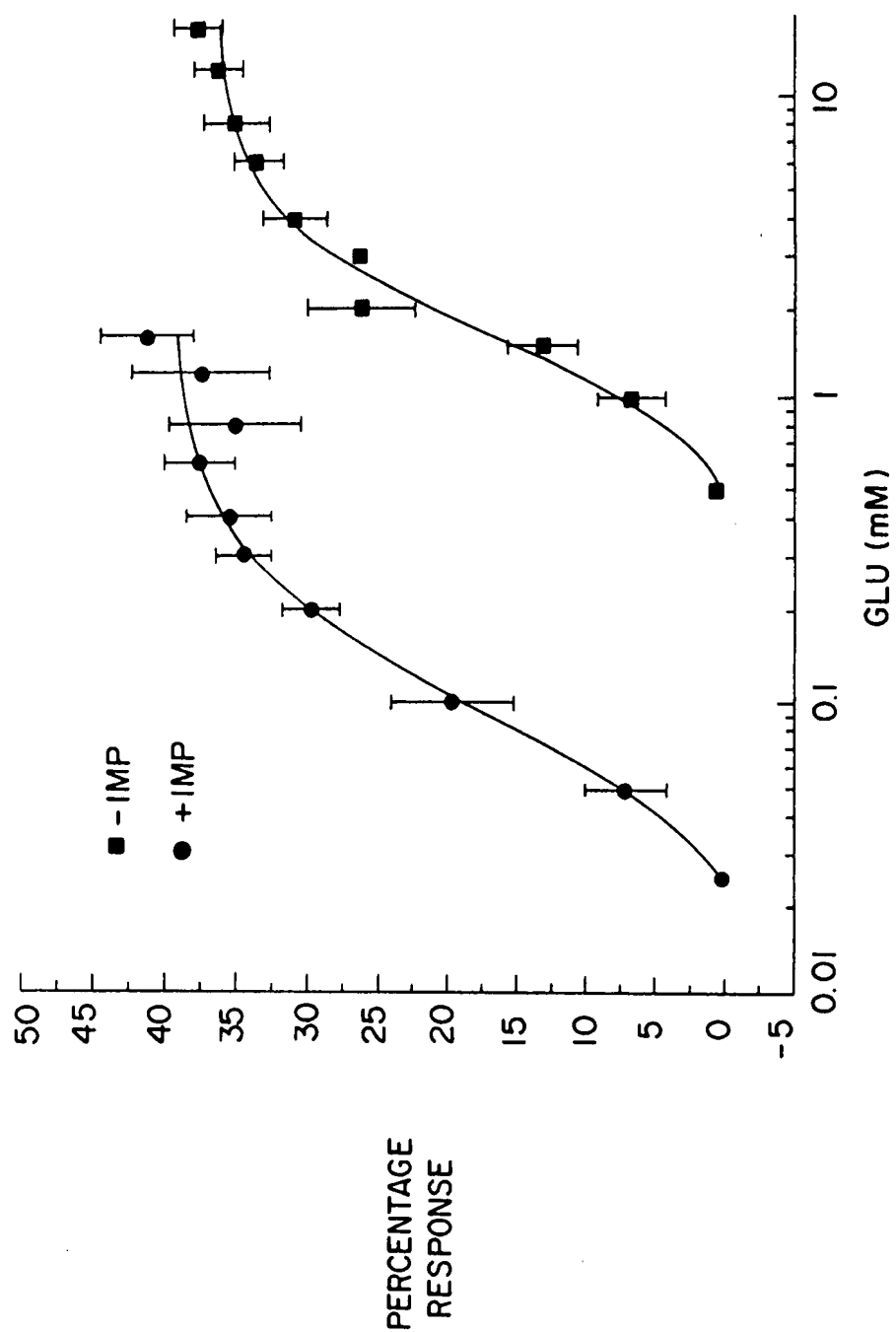


FIG. 13

REPLACEMENT SHEET

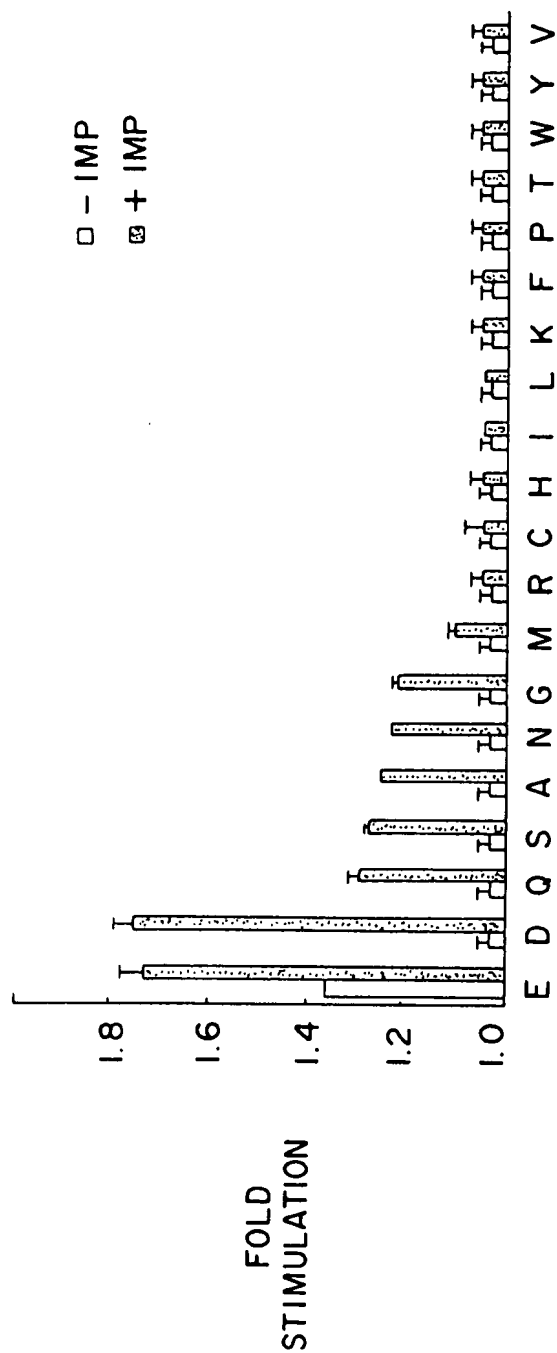


FIG. 14

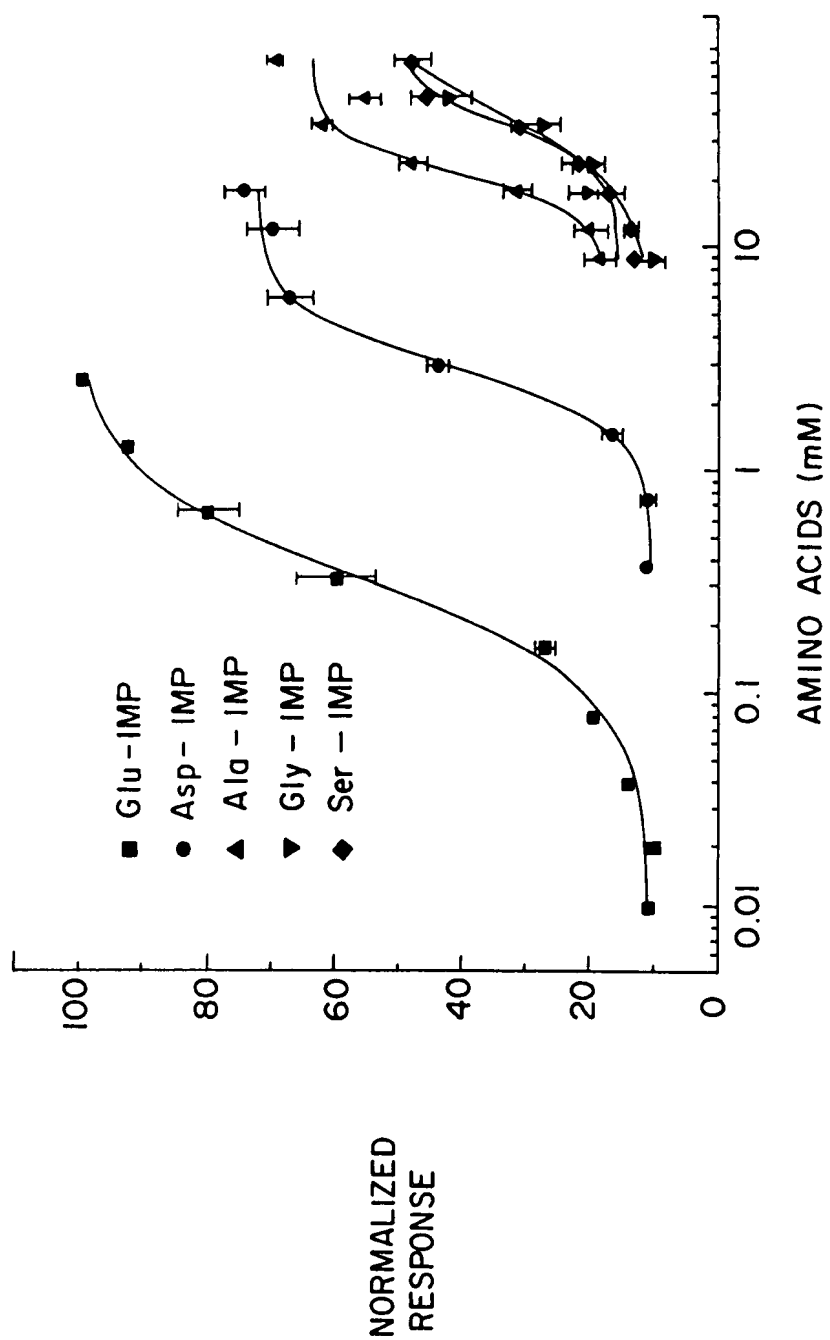


FIG. 15

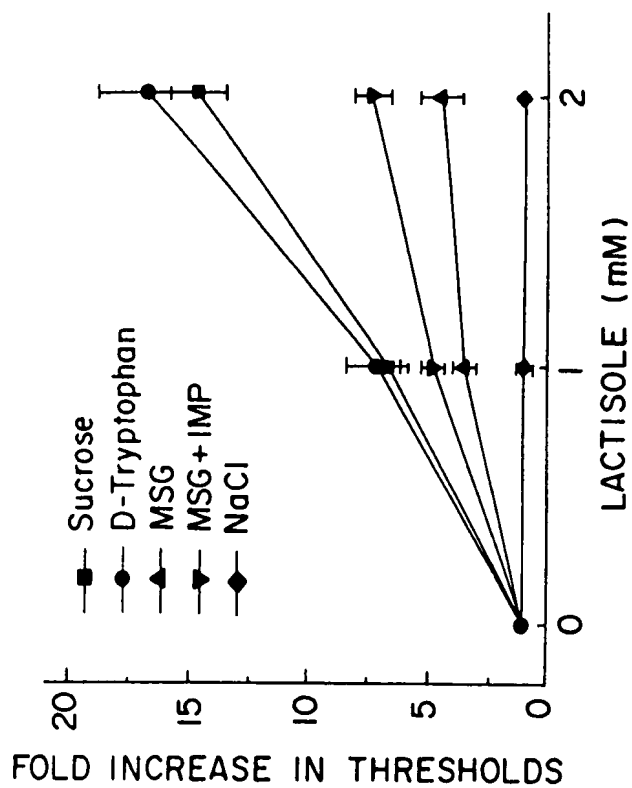


FIG. 16B

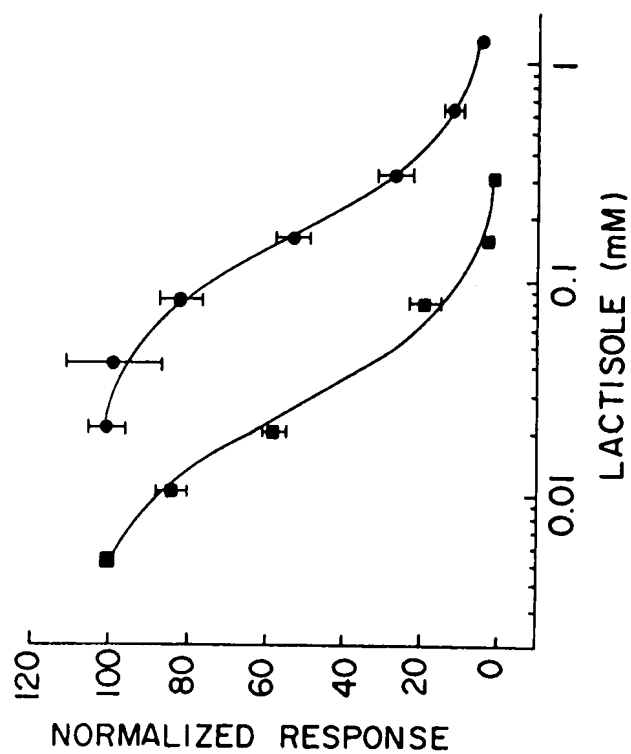


FIG. 16A